

WHAT IS CLAIMED IS:

1           1.       A method for transforming files from a source file format to a destination  
2 file format, comprising:  
3           generating a data structure in a computer readable medium indicating available  
4 transforms from a plurality of source file formats to at least one destination file format;  
5           generating a graphical representation of available transforms from the source file  
6 formats to the at least one destination file format based on the available transforms  
7 indicated in the data structure;  
8           receiving user input indicating a selected source file having a source file format  
9 and a selected destination file having a selected destination file format, wherein the data  
10 structure indicates one available transform to transform the selected source file format to  
11 the selected destination file format; and  
12           transforming the selected source file in the source file format to the selected  
13 destination file in the destination file format.

1           2.       The method of claim 1, further comprising:  
2           receiving a new transform to add to the data structure, wherein the new transform  
3 is capable of transforming at least one source file format to at least one destination file  
4 format; and  
5           updating the data structure to indicate as available the new transform.

1           3.       The method of claim 2, further comprising:  
2           determining, before updating the data structure, whether the data structure  
3 indicates one available transform to perform a transformation of one source file format to  
4 one destination file format that is also capable of being performed by the new  
5 transformation; and  
6           requesting user input selecting one of the determined available transform or the  
7 new transform to use to transform the source file format to the destination file format if

8 both the available transform and new transform are capable of performing the  
9 transformation.

1 4. The method of claim 1, wherein generating the graphical representation  
2 further comprises:  
3 generating graphical representations of each file format indicated as one source or  
4 destination file format in the data structure; and  
5 generating a graphical association for each source file format and destination file  
6 format pair for which there is one available transform indicated in the data structure.

1 5. The method of claim 4, further comprising:  
2 displaying entry fields in which the user input indicating the source file and  
3 destination file are entered.

1 6. The method of claim 5, further comprising:  
2 enabling access to a file navigator for selection of the source and destination files  
3 in the displayed entry fields;  
4 displaying, with the file navigator, only files in the selected source file format  
5 when the file navigator is invoked to select the source file; and  
6 displaying, with the file navigator, only files in the selected destination file format  
7 when the file navigator is invoked to select the destination file.

1 7. The method of claim 4, wherein generating the graphical association for  
2 each source file format and destination file format pair further comprises:  
3 generating a line to display between the graphical representations of the source  
4 file format and destination file format to indicate the availability of one transform to  
5 transform the source file format to the destination file format.

1           8.     The method of claim 7, wherein generating each line further comprises  
2     generating at least one arrow on the line indicating a direction of the transformation from  
3     the source file format to the destination file format.

1           9.     The method of claim 8, wherein generating each line further comprises  
2     generating two arrows on the line to indicate at least one available transform to transform  
3     the source file format to the destination file format and transform the destination file  
4     format to the source file format if there is at least one available transform to perform the  
5     transformations between the source file format and the destination file format.

1           10.    The method of claim 8, wherein the graphical representations are  
2     generated to be displayed in a circular arrangement.

1           11.    The method of claim 1, further comprising:  
2     generating a graphical representation of a transformation operation to be displayed  
3     between a graphical representation of the selected source file format and a graphical  
4     representation of the selected destination file format.

1           12.    The method of claim 11, wherein the generated graphical representation of  
2     the transformation operation comprises an arrow displayed from the graphical  
3     representation of the selected source file format to the graphical representation of the  
4     selected destination file format.

1           13.    The method of claim 11, further comprising:  
2     generating a progress bar to display with the graphical representation of the  
3     transformation operation indicating an approximate percent completion of the  
4     transformation operation of the selected source file to the selected destination file.

1           14.    The method of claim 1, wherein the data structure further indicates at least  
2   one program to perform the available transforms from the plurality of source file formats  
3   to the at least one destination file format, and wherein transforming the selected source  
4   file further comprises:

5           calling the program indicated in the data structure to transform the selected source  
6   file in the source file format to the selected destination file in the destination file format.

1           15.    The method of claim 1, further comprising:  
2           determining whether the data structure indicates at least one available transform  
3   for the selected source file format; and

4           generating indication that there is no available transform for the selected source  
5   file format if the data structure does not indicate at least one available file transform for  
6   the selected source file format.

1           16.    The method of claim 15, further comprising:  
2           determining whether the data structure indicates at least one available transform to  
3   transform the selected source file format to the selected destination file format; and

4           generating indication that there is no available transform for the selected  
5   destination file format if the data structure does not indicate at least one available  
6   transform for the selected source file format to the selected destination file format.

1           17.    The method of claim 1, further comprising:  
2           receiving user selection of attributes for the transform from the selected source  
3   file to the selected destination file, wherein the user selected attributes are used to control  
4   the step of transforming the selected source file to the selected destination file.

1           18.    A system for transforming files from a source file format to a destination  
2   file format, comprising:

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4 a display monitor;  
5 a computer readable medium;  
6 means for generating a data structure in the computer readable medium indicating  
7 available transforms from a plurality of source file formats to at least one destination file  
8 format;  
9 means for generating on the display monitor a graphical representation of  
10 available transforms from the source file formats to the at least one destination file format  
11 based on the available transforms indicated in the data structure;  
12 means for receiving user input indicating a selected source file having a source  
13 file format and a selected destination file having a selected destination file format,  
14 wherein the data structure indicates one available transform to transform the selected  
15 source file format to the selected destination file format; and  
16 means for transforming the selected source file in the source file format to the  
17 selected destination file in the destination file format.

1 19. The system of claim 18, further comprising:

2 means for receiving a new transform to add to the data structure, wherein the new  
3 transform is capable of transforming at least one source file format to at least one  
4 destination file format; and  
5 means for updating the data structure to indicate as available the new transform.

1 20. The system of claim 19, further comprising:

2 means for determining, before updating the data structure, whether the data  
3 structure indicates one available transform to perform a transformation of one source file  
4 format to one destination file format that is also capable of being performed by the new  
5 transformation; and  
6 means for requesting user input selecting one of the determined available  
7 transform or the new transform to use to transform the source file format to the

8 destination file format if both the available transform and new transform are capable of  
9 performing the transformation.

1 21. The system of claim 18, wherein the means for generating the graphical  
2 representation further performs:  
3 generating graphical representations of each file format indicated as one source or  
4 destination file format in the data structure; and  
5 generating a graphical association for each source file format and destination file  
6 format pair for which there is one available transform indicated in the data structure.

1 22. The system of claim 21, further comprising:  
2 means for displaying on the display monitor entry fields in which the user input  
3 indicating the source file and destination file are entered.

1 23. The system of claim 22, further comprising:  
2 means for enabling access to a file navigator for selection of the source and  
3 destination files in the displayed entry fields;  
4 means for displaying on the display monitor, with the file navigator, only files in  
5 the selected source file format when the file navigator is invoked to select the source file;  
6 and  
7 means for displaying on the display monitor, with the file navigator, only files in  
8 the selected destination file format when the file navigator is invoked to select the  
9 destination file.

1 24. The system of claim 21, wherein the means for generating the graphical  
2 association for each source file format and destination file format pair further performs:  
3 generating on the display monitor a line between the graphical representations of

1           25.     The system of claim 24, wherein the means for generating each line further  
2     generates at least one arrow on the line indicating a direction of the transformation from  
3     the source file format to the destination file format.

1           26.     The system of claim 25, wherein the means for generating each line further  
2     generates two arrows on the line to indicate at least one available transform to transform  
3     the source file format to the destination file format and transform the destination file  
4     format to the source file format if there is at least one available transform to perform the  
5     transformations between the source file format and the destination file format.

1           27.     The system of claim 25, wherein the graphical representations are  
2     generated to be displayed in a circular arrangement.

1           28.     The system of claim 18, further comprising:  
2             means for generating a graphical representation of a transformation operation to  
3     be displayed between a graphical representation of the selected source file format and a  
4     graphical representation of the selected destination file format.

1           29.     The system of claim 28, wherein the generated graphical representation of  
2     the transformation operation comprises an arrow displayed from the graphical  
3     representation of the selected source file format to the graphical representation of the  
4     selected destination file format.

1           30.     The system of claim 28, further comprising:  
2             means for generating a progress bar to display with the graphical representation of  
3     the transformation operation indicating an approximate percent completion of the  
4     transformation operation of the selected source file to the selected destination file.

1           31.    The system of claim 18, wherein the data structure further indicates at least  
2 one program to perform the available transforms from the plurality of source file formats  
3 to the at least one destination file format, and wherein the means for transforming the  
4 selected source file further performs:

5               calling the program indicated in the data structure to transform the selected source  
6 file in the source file format to the selected destination file in the destination file format.

1           32.    The system of claim 18, further comprising:

2               means for determining whether the data structure indicates at least one available  
3 transform for the selected source file format; and

4               means for generating indication that there is no available transform for the  
5 selected source file format if the data structure does not indicate at least one available file  
6 transform for the selected source file format.

1           33.    The system of claim 32, further comprising:

2               means for determining whether the data structure indicates at least one available  
3 transform to transform the selected source file format to the selected destination file  
4 format; and

5               means for generating an alert indicating that there is no available transform for the  
6 selected destination file format if the data structure does not indicate at least one available  
7 transform for the selected source file format to the selected destination file format.

1           34.    The system of claim 18, further comprising:

2               means for receiving user selection of attributes for the transform from the selected  
3 source file to the selected destination file, wherein the user selected attributes are used to  
4 control the step of transforming the selected source file to the selected destination file.

1           35.     An article of manufacture including code for transforming files from a  
2 source file format to a destination file format by:  
3           generating a data structure in a computer readable medium indicating available  
4 transforms from a plurality of source file formats to at least one destination file format;  
5           generating a graphical representation of available transforms from the source file  
6 formats to the at least one destination file format based on the available transforms  
7 indicated in the data structure;  
8           receiving user input indicating a selected source file having a source file format  
9 and a selected destination file having a selected destination file format, wherein the data  
10 structure indicates one available transform to transform the selected source file format to  
11 the selected destination file format; and  
12           transforming the selected source file in the source file format to the selected  
13 destination file in the destination file format.

1           36.     The article of manufacture of claim 35, further comprising:  
2           receiving a new transform to add to the data structure, wherein the new transform  
3 is capable of transforming at least one source file format to at least one destination file  
4 format; and  
5           updating the data structure to indicate as available the new transform.

1           37.     The article of manufacture of claim 36, further comprising:  
2           determining, before updating the data structure, whether the data structure  
3 indicates one available transform to perform a transformation of one source file format to  
4 one destination file format that is also capable of being performed by the new  
5 transformation; and  
6           requesting user input selecting one of the determined available transform or the  
7 new transform to use to transform the source file format to the destination file format if  
8 both the available transform and new transform are capable of performing the  
9 transformation.

1           38.    The article of manufacture of claim 35, wherein generating the graphical  
2 representation further comprises:  
3           generating graphical representations of each file format indicated as one source or  
4 destination file format in the data structure; and  
5           generating a graphical association for each source file format and destination file  
6 format pair for which there is one available transform indicated in the data structure.

1           39.    The article of manufacture of claim 38, further comprising:  
2           displaying entry fields in which the user input indicating the source file and  
3 destination file are entered.

1           40.    The article of manufacture of claim 39, further comprising:  
2           enabling access to a file navigator for selection of the source and destination files  
3 in the displayed entry fields;  
4           displaying, with the file navigator, only files in the selected source file format  
5 when the file navigator is invoked to select the source file; and  
6           displaying, with the file navigator, only files in the selected destination file format  
7 when the file navigator is invoked to select the destination file.

1           41.    The article of manufacture of claim 38, wherein generating the graphical  
2 association for each source file format and destination file format pair further comprises:  
3           generating a line to display between the graphical representations of the source  
4 file format and destination file format to indicate the availability of one transform to  
5 transform the source file format to the destination file format.

1           42.    The article of manufacture of claim 41, wherein generating each line  
2 further comprises generating at least one arrow on the line indicating a direction of the  
3 transformation from the source file format to the destination file format.

1           43.    The article of manufacture of claim 42, wherein generating each line  
2 further comprises generating two arrows on the line to indicate at least one available  
3 transform to transform the source file format to the destination file format and transform  
4 the destination file format to the source file format if there is at least one available  
5 transform to perform the transformations between the source file format and the  
6 destination file format.

1           44.    The article of manufacture of claim 42, wherein the graphical  
2 representations are generated to be displayed in a circular arrangement.

1           45.    The article of manufacture of claim 35, further comprising:  
2           generating a graphical representation of a transformation operation to be displayed  
3 between a graphical representation of the selected source file format and a graphical  
4 representation of the selected destination file format.

1           46.    The article of manufacture of claim 45, wherein the generated graphical  
2 representation of the transformation operation comprises an arrow displayed from the  
3 graphical representation of the selected source file format to the graphical representation  
4 of the selected destination file format.

1           47.    The article of manufacture of claim 45, further comprising:  
2           generating a progress bar to display with the graphical representation of the  
3 transformation operation indicating an approximate percent completion of the  
4 transformation operation of the selected source file to the selected destination file.

1           48.    The article of manufacture of claim 35, wherein the data structure further  
2 indicates at least one program to perform the available transforms from the plurality of  
3 source file formats to the at least one destination file format, and wherein transforming  
4 the selected source file further comprises:

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5 calling the program indicated in the data structure to transform the selected source  
6 file in the source file format to the selected destination file in the destination file format.

1 49. The article of manufacture of claim 35, further comprising:  
2 determining whether the data structure indicates at least one available transform  
3 for the selected source file format; and  
4 generating an alert indicating that there is no available transform for the selected  
5 source file format if the data structure does not indicate at least one available file  
6 transform for the selected source file format.

1 50. The article of manufacture of claim 49, further comprising:  
2 determining whether the data structure indicates at least one available transform to  
3 transform the selected source file format to the selected destination file format; and  
4 generating an alert indicating that there is no available transform for the selected  
5 destination file format if the data structure does not indicate at least one available  
6 transform for the selected source file format to the selected destination file format.

1 51. The article of manufacture of claim 35, further comprising:  
2 receiving user selection of attributes for the transform from the selected source  
3 file to the selected destination file, wherein the user selected attributes are used to control  
4 the step of transforming the selected source file to the selected destination file.

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